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United States Cotton Quality Report For Ginnings Prior To September 1, 1977

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Upland cotton ginned prior to September 1 this season averaged higher in grade but showed the same average staple length as a year earlier. Average grade index (grade 31=100) was 94.8 compared with 92.5 a year ago. Grades 31 and higher made up over 30 percent of ginnings through August 31 against 14 percent last year. Grade 41, the predominant grade both years, accounted for 37 percent of ginnings this year compared with 49 percent a year earlier. Average staple length of upland cotton ginned prior to September 1 was 33.2 thirty-seconds inches, the same as a year earlier. Staples 34 and 35 accounted for almost 46 percent of ginnings this year compared to about 41 percent a year ago. Staple 34 was the predominant length in ginnings through August 31 this season at 43 percent, and staple 33 was second at 39 percent. A year earlier, staple 33 was predominant at about 40 percent, followed by staple 34 at 36 percent. Average mike of ginnings through August 31 was 43 compared with 44 a year earlier. Average strength was 84,100 pounds per square inch against 81,400 through the same period last season. The bulk of ginnings prior to September 1 was Texas cotton.

White grades 31 and higher made up over 30 percent of upland ginnings prior to September 1 this season. This was the largest proportion of any crop in these higher grades since 1963. Last season, 14 percent of ginnings prior to September 1 were grades 31 and higher. Grade 31, alone, accounted for 29 percent of early ginnings this season. This was the largest proportion of grade 31 in early ginnings since the crop of 1962 and compares with 14 percent last year and seven percent two years earlier. Grade 41 made up 37 percent of ginnings this season compared with 49 percent and 38 percent through the same period in 1976 and 1975, respectively. The proportion of ginnings in all White grades was 86 percent against 79 percent a year earlier and 70 percent two years ago. Light Spotted grades made up 13 percent of ginnings through August 31 against 19 percent a year earlier.

Cotton stapling 33 and shorter comprised 54 percent of upland cotton ginnings prior to September 1. This compares with 59 percent a year earlier and 43 percent in 1975. Staple 34 made up the largest percentage of any of the lengths at 43 percent, compared with 36 percent through the same period last year. This season's early period ginnings contained three percent staple 35, against five percent in 1976. Those staples which were 36 or longer accounted for less than one percent of the ginnings, the same amount as last year. The average staple was 33.2 inches, also unchanged from the same period last year.

Cotton ginned prior to September 1 this season totaled 694,200 running bales, according to the Bureau of the Census. This was up significantly from 373,100 in 1976, and was the largest total ginnings for this period since 1965.

Table 1. Specified measures of quality for upland ginnings 1/

Item	August 1-31		Season through August 31	
	1976	1977	1976	1977
	:	:	:	:
Grade index (Mid. White=100)	92.4	94.8	92.5	94.8
Average staple, 32nd. inch	33.2	33.2	33.2	33.2
Rough preparation, percent	*	*	*	*
Tenderable, percent <u>2/</u>	52.4	72.7	52.5	72.3
Average mike reading	4.3	4.2	4.4	4.3
Average fiber strength (Mpsi)	81.2	86.0	81.4	84.1

1/ Data for current season are preliminary.

2/ Tenderable for grade, staple and mike in settlement of futures contracts.

* Less than 0.05 percent.

Table 2. Upland cotton ginned in the United States, by grade 1/

Grade	Code	August 1-31				Season through August 31			
		1976	1977	1976	1977	1976	1977	1976	1977
		<u>Bales</u>	<u>Bales</u>	<u>Percent</u>	<u>Percent</u>	<u>Bales</u>	<u>Bales</u>	<u>Percent</u>	<u>Percent</u>
<u>White</u>									
G.M.	(11)	-	-	-	-	-	-	-	-
S.M.	(21)	823	5,500	0.3	0.9	823	5,706	0.2	0.8
M.+	(30)	61	351	*	0.1	61	351	*	0.1
M.	(31)	46,084	182,691	14.1	30.0	51,462	203,948	13.8	29.4
S.L.M.+	(40)	6,892	56,100	2.1	9.2	7,896	63,727	2.1	9.2
S.L.M.	(41)	152,555	211,819	46.9	34.8	184,100	253,714	49.4	36.5
L.M.+	(50)	3,627	13,846	1.1	2.3	4,366	16,165	1.2	2.3
L.M.	(51)	39,311	42,879	12.1	7.0	41,632	47,903	11.2	6.9
S.G.O.+	(60)	100	392	*	0.1	100	418	*	0.1
S.G.O.	(61)	3,985	3,794	1.2	0.6	4,619	4,000	1.2	0.6
G.O.+	(70)	-	-	-	-	-	-	-	-
G.O.	(71)	347	381	0.1	0.1	347	381	0.1	0.1
<u>Light Spotted</u>									
G.M.	(12)	-	-	-	-	-	-	-	-
S.M.	(22)	63	614	*	0.1	63	743	*	0.1
M.	(32)	14,473	31,746	4.4	5.2	14,975	33,807	4.0	4.9
S.L.M.	(42)	42,775	43,204	13.1	7.1	47,291	46,837	12.7	6.7
L.M.	(52)	8,017	8,589	2.5	1.4	8,387	9,027	2.2	1.3
<u>Spotted</u>									
G.M.	(13)	-	-	-	-	-	-	-	-
S.M.	(23)	15	41	*	*	15	118	*	*
M.	(33)	668	897	0.2	0.1	668	1,026	0.2	0.1
S.L.M.	(43)	3,826	2,990	1.2	0.5	3,958	3,119	1.1	0.4
L.M.	(53)	1,441	938	0.4	0.2	1,494	1,067	0.4	0.2
<u>Tinged 2/</u>	(24-54)	39	36	*	*	39	36	*	*
<u>Stained 2/</u>	(25-35)	-	-	-	-	-	-	-	-
<u>Light Gray</u>									
G.M.	(16)	-	-	-	-	-	-	-	-
S.M.	(26)	9	474	*	0.1	9	474	*	0.1
M.	(36)	216	588	0.1	0.1	216	614	0.1	0.1
S.L.M.	(46)	56	258	*	*	56	284	*	*
<u>Gray</u>									
G.M.	(17)	-	-	-	-	-	-	-	-
S.M.	(27)	-	21	-	*	-	21	-	*
M.	(37)	9	21	*	*	9	21	*	*
S.L.M.	(47)	9	41	*	*	9	41	*	*
Below Grade <u>3/</u>		506	572	0.2	0.1	506	701	0.1	0.1
All grades		325,907	608,783	100.0	100.0	373,101	694,249	100.0	100.0

1/ Data for current season are preliminary.

2/ Includes all grades.

3/ Bales that are lower in grade than the lowest official standard for the corresponding color group.

* Less than 0.05 percent.

Table 3. Upland cotton ginned in the United States, by staple 1/

Staple	August 1-31				Season through August 31			
	1976	1977	1976	1977	1976	1977	1976	1977
	<u>Bales</u>	<u>Bales</u>	<u>Percent</u>	<u>Percent</u>	<u>Bales</u>	<u>Bales</u>	<u>Percent</u>	<u>Percent</u>
26 and shorter	-	-	-	-	-	-	-	-
28	-	82	-	*	-	82	-	*
29	9	1,774	*	0.3	9	1,774	*	0.3
30	701	15,361	0.2	2.5	701	15,361	0.2	2.2
31	8,578	29,827	2.6	4.9	8,681	30,239	2.3	4.4
32	62,708	50,871	19.2	8.4	64,256	59,633	17.2	8.6
33	126,097	220,081	38.8	36.2	146,948	267,079	39.5	38.5
34	108,492	272,103	33.3	44.6	132,630	300,341	35.5	43.1
35	18,852	18,262	5.8	3.0	19,406	19,318	5.2	2.8
36	470	422	0.1	0.1	470	422	0.1	0.1
37	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-
40 and longer	-	-	-	-	-	-	-	-
All staples	325,907	608,783	100.0	100.0	373,101	694,249	100.0	100.0

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 4. Percentage of ginnings reduced in grade, by specified causes, prior to September 1, 1977 with 1976 comparisons, by states 1/

State	Grade reductions							
	Grass		Bark		Other causes		Total reductions	
	1976	1977	1976	1977	1976	1977	1976	1977
	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>
Texas	4.1	3.2	8.6	1.2	-	*	12.7	4.4
Other	-	1.5	-	-	-	-	-	1.5
United States	4.1	3.2	8.6	1.2	-	*	12.7	4.4

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 5. Percentage distribution of the grade of upland cotton ginned prior to September 1, 1977 with 1976 comparisons, by states 1/

State	White										Light Spotted					Other Colored	Below Grade	Grade index 2/
	SM	M+	M	SLM+	SLM	LM+	LM	SGO+	SM	M	SLM	LM						
	21	30	31	40	41	50	51	60 & lower	22 & higher	32	42	52						
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		
Ala.	- 1.6	- -	- 19.7	- -	- 4.9	- 3.3	- 3.3	- 3.3	- -	- 4.9	- 39.4	- 9.8	- 6.6	- 6.5	- -	- 93.9		
Tex.	0.2 0.8	* 0.1 13.8	29.4 2.1	9.2 49.4	36.7 1.2	2.3 11.2	6.9 1.3	0.8	* 0.1	4.0 4.8	12.7 6.7	2.2 1.3	1.8 0.8	0.1 0.1	0.1 92.5	94.8		
Other	- -	- -	- -	- 1.5	- 15.4	- 3.0	- -	- -	- -	- 21.0	- 47.2	- 28.0	- 7.4	- 1.5	- 90.2	- 90.2		
U. S.	0.2 0.8	* 0.1 13.8	29.4 2.1	9.2 49.4	36.5 1.2	2.3 11.2	6.9 1.3	0.8	* 0.1	4.0 4.9	12.7 6.7	2.2 1.3	1.8 0.9	0.1 0.1	0.1 92.5	94.8		
1/ Data for current season are preliminary.																		
2/ Middling White equals 100.																		
* Less than 0.05 percent.																		

Table 6. Percentage distribution of the staple of upland cotton ginned prior to September 1, 1977 with 1976 comparisons, and total ginnings, by states 1/

State	Staple												Average staple 2/		Total upland ginnings	
	28 and shorter		29		30		31		32		33		34		35	
	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.
Ala.	- -	- -	- -	- 9.8	- 31.1	- 41.0	- 18.1	- -	- -	- -	- -	- -	- 32.7	- -	- 1,584	- -
Tex.	- *	* 0.3	0.2 2.2	2.3 4.3	17.2 8.5	39.5 38.5	35.5 43.3	5.2	2.8	0.1	0.1	- -	- 33.2	33.2	373,101	692,327
Other	- -	- -	- -	- -	- 25.7	- 42.4	- 27.5	- 4.4	- -	- -	- -	- -	- 33.1	- -	- 338	- -
U. S.	- *	* 0.3	0.2 2.2	2.3 4.4	17.2 8.6	39.5 38.5	35.5 43.1	5.2	2.8	0.1	0.1	- -	- 33.2	33.2	373,101	694,249

1/ Data for current season are preliminary.
2/ Expressed in thirty-seconds of an inch.
* Less than 0.05 percent.

Table 7. Percentage distribution of micronaire readings for upland ginnings prior to September 1, 1977 with 1976 comparisons, by states 1/

State	Totals												Average	
	2.6 and below		2.7-2.9		3.0-3.2		3.3-3.4		3.5-3.9		4.0-4.4		4.5-4.9	
	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.
Ala.	- -	- -	- -	- 1.6	- 8.2	- 8.1	- 6.5	- 21.3	- 19.7	- 34.6	- 9.8	- 35.9	- 54.3	- 4.8
Tex.	* *	* 0.7	0.7 3.2	3.3 5.2	4.7 21.2	24.1 18.6	26.0 30.9	30.2 16.4	9.0 3.8	2.0 9.1	8.7 70.7	80.3 20.2	11.0 4.4	4.3
Other	- -	- -	- -	- -	- 8.9	- 26.3	- 39.1	- 22.7	- 3.0	- -	- 74.3	- 25.7	- 4.6	- 4.6
U. S.	* *	* 0.7	3.2 3.2	5.2 4.7	21.2 24.1	18.6 26.0	30.9 30.1	16.4 9.1	3.8 2.1	9.1 8.6	70.7 80.2	20.2 11.2	4.4	4.3

1/ Data for current season are preliminary.
* Less than 0.05 percent.

Table 8. Percentage distribution of fiber strength for upland cotton ginnings prior to September 1, 1977 with 1976 comparisons, by states 1/

State	Zero Gage Fiber Strength (Mpsi)												Average strength	
	64 & below		65-69		70-74		75-79		80-84		85-89		90-94	
	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.	1976 1977	Pct. Pct.
Tex.	- -	- -	- -	- 1.7	- *	31.3 9.8	48.6 37.7	15.8 28.2	2.5 17.1	0.1 6.0	- 1.2	- 81.4	85.7	- -
U. S.	- -	- -	- -	- 1.7	- *	31.3 15.4	48.6 42.0	15.8 29.8	2.5 10.5	0.1 2.3	- *	- 81.4	84.1	- -

1/ Data for current season are preliminary.
* Less than 0.05 percent.